



THE QUEEN'S AWARDS
FOR ENTERPRISE:
INNOVATION
2006

ULTRAISION CLPL
INNOVATION IN PRACTICE

PLASMA-GP™

Product Guide

PLASMA-GP™



Plasma-GP lenses benefit from a specialist treatment during which high frequency waves are used to ‘excite’ oxygen, producing a plasma gas. This in turn changes the material matrix, at surface level only, allowing the lens to become more hydrophilic.

Comfort

Improved initial comfort for both first time and existing wearers

Improved Vision

Increases the material wettability, thereby enhancing vision

Wearing Times

Improved wearing times for those with poor tear quality or quantity

Easier Cleaning

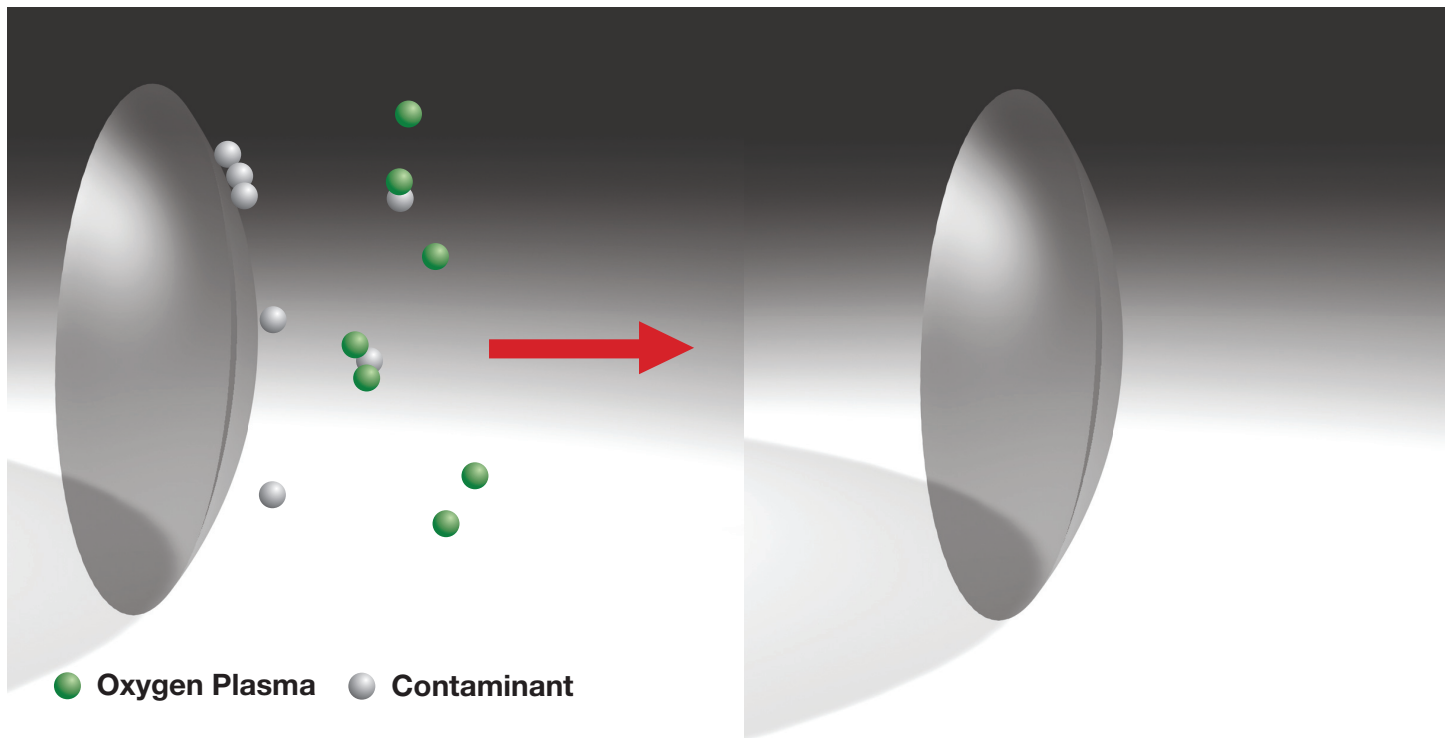
Allows for easier cleaning due to reduced build-up of debris on the lens surface

Material	Optimum Extra*
Base Curve	6.50mm to 10.00mm (0.05 steps)
Diameter	8.00mm to 12.00mm (0.10mm steps)
Lens Design	Eureka*
Power Range	-30.00DS to +30.00DS (0.25 steps) Cyl -0.50DC to -6.00DC (0.25 steps) Axis 1° to 180° (1° steps) Add Up to +4.50DS (0.25 steps)
Wear Modality	Replacement 6 or 12 Monthly, for daily wear only
Pack Size	Single vial

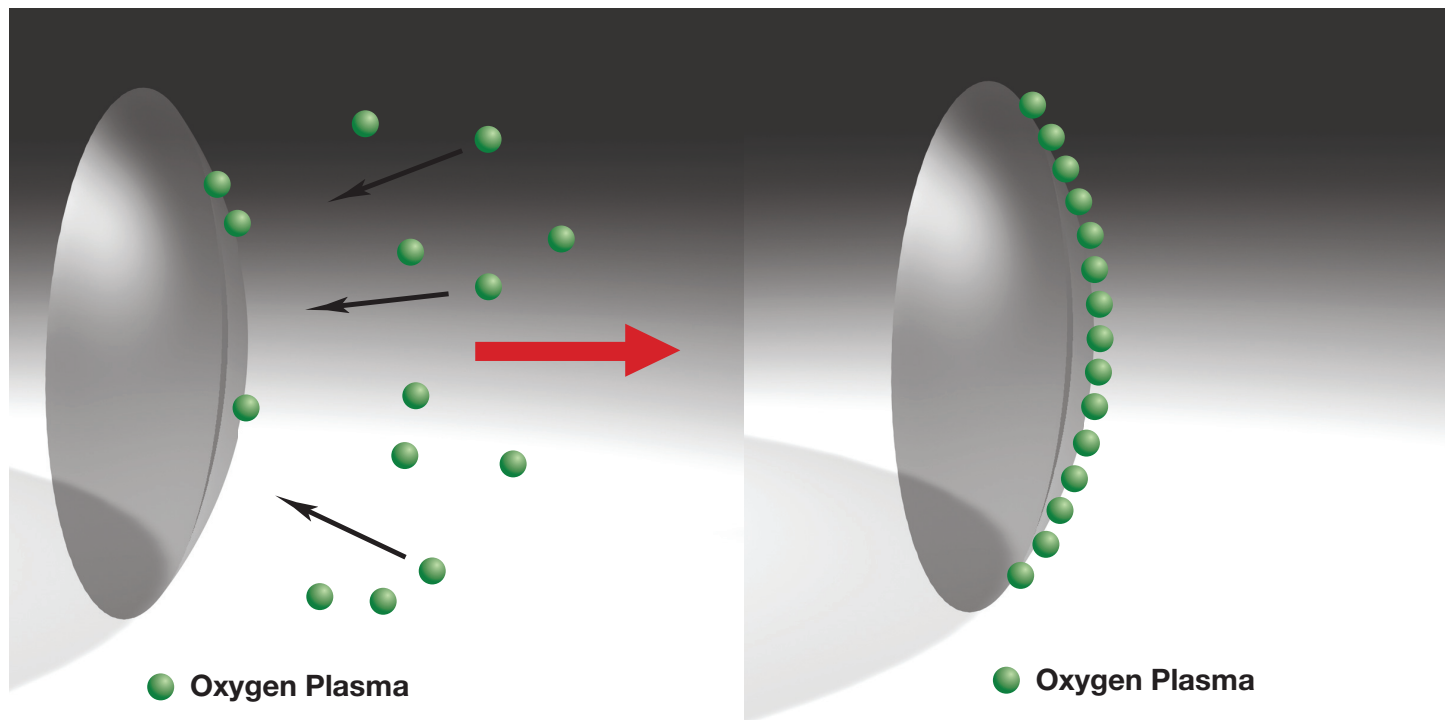
* Available in all materials and designs.

* Available to other specifications upon request.

Plasma Treatment Technology



The reactive oxygen species will react and break-up surface contaminants removing them from the surface. This treatment, in its own right, can greatly improve the initial wetting and comfort of a GP lens.



Plasma can bind and chemically alter the surface, known as a functionalisation.

Oxygen plasma reacts with the surface of the material to form a variety of molecular structures that can enhance wetting.

Fitting Guide for Plasma-GP

Fitting Guidelines

The Practitioner provides the following parameters:

- Spectacle refraction including sphere, cyl, axis, as appropriate
- Back Vertex Distance (BVD)
- Keratometer readings (preferably with axes)
- Horizontal Visible Iris Diameter (HVID)
- Pupil diameter in normal light

This information should then be passed to UltraVision Customer Services when placing your order. The lens will then be designed using our patented technology.

Assessing The Fit

Due to back surface geometry and dynamics of the lens, the fitting criteria are the same as for most other single vision GP lenses.

A good fit should have the following characteristics:

- Centred well on cornea
- Movement good on blink with slight lid hitch
- Lens should translate well on downward gaze

A flat fit will have the following characteristics:

- Too much movement
- Poor comfort
- Unstable vision
- Requires a positive over-refraction

A steep fit will have all the following characteristics:

- Too little movement
- Will not translate well
- May have poor visual acuity
- Requires a negative over-refraction

Once an optimum lens fit has been achieved then fine tuning to the prescription can be carried out by over-refraction if necessary. The results of the over-refraction should then be sent to UltraVision and we will calculate the new prescription required.

Adjustments To Lenses

In the event that adjustments are required to the lenses, we request that practitioners do not make their own adjustments, and instead supply symptomatic details of any problems along with any refractive information direct to UltraVision. The information will be passed to the laboratory where technicians have access to the details of the complex structure of the lenses, and the adjustments will be made.



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